World Database of Happiness
Correlational Findings

Findings on Happiness & FARMING

Correlate Code: F 4

Classification of Findings		***Number of Studies***
Correlate Code	*Correlate Name*	***on this Subject***
F 4	FARMING	0
F 4.1	Farming career	2
F 4.2	Current involvement in farming	0
F 4.2.1	Being a farmer	0
F 4.2.2	Being wife of a farmer	0
F 4.2.3	Time spend to farming	2
F 4.3	Current characteristics of the farm	6
F 4.3.1	Size of farm	4
F 4.3.2	Specialization of farm	5
F 4.3.3	Economic success of farm	4
F 4.4	Attitudes to farming	2
F 4.4.1	Concern about farming	2
F 4.4.2	Satisfaction with farming	0
F 4.2.4	Self reliance	3

Cite as: Veenhoven, R.: Findings on Happiness & FARMING
World Database of Happiness. Internet: www.eur.nl/fsw/research/happiness
Erasmus University Rotterdam, 2003, Netherlands

Study BRINK 1986A

Page in Report: 164

Reported in: Brinkerhoff, M & Jacob, J
Quality of life in an alternative lifestyle. The smallholding movement.
Social Indicators Research 18, p 153-173

Population: Back to the land' mini-farmers, West USA and Canada,198?

Sample: Non-probability purposive sample (unspecified)

Non-Response: 510

N: 44 %

Measured Correlate

Class: Farming career Code: F 4.1

Measurement: Self report

Measured Values: range 0-60 M=6.4

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
O-H?/?/sq/v/4/a	r=+.08 p<.05	

Study JACOB 1997

Page in Report: 192

Reported in: Jacob, J. & Brinkerhoff, M.
Values, performance and subjective well-being in the sustainability movement; an
Social Indicators Research: , 1997, vol 42, pag 171-204

Population: 'Back to the land' mini farmers, USA,1989

Sample: Non-probability purposive sample (unspecified)

Non-Response: 58.2%

N: 565

Measured Correlate

Class: Farming career Code: F 4.1

Measurement:
```
Childhood farm experience
1. great deal
2. some
3. Not very much
4. None
```

Measured Values: in percentages: Male: 1:34, 2:22; 3:19; 4:24; Female: 1:20; 2:25; 3:24; 4:30.

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-H?/?/sq/v/4/a	r=+	ns	Ss, who value technical self reliance high, irrespectible of their performance (N=±280) -high Country Asceticism r=+.06 ns -high Homestead Production r=+.02 ns -high Ecological Sensitivity r=+.02 ns Ss, who value Homestead Food Production high, irrespectable their performance, (N=±280) -high Country Asceticism r=+.10 ns -high Homestead Production r=+.07 ns -high Ecological Sensitivity r=+.02 ns

Study MOLNA 1985

Page in Report: 150/156

Reported in: Molnar, J.J.
Determinants of subjective well-being among farm operators: characteristics of the
Rural Sociology, Vol 50, 1985, pp. 141-162

Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29,9%

N: 705

Measured Correlate

Class: Time spend to farming Code: F 4.2.3

Measurement: Single closed question rated on a 6-point scale ranging from 'none' to '200 days or more'

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-BW/cy/sq/l/9/a	r=+.07	ns	
	r=+.07	ns	
	Beta=+.1	p<.01	ß controlled for: gross farm sales, percent farm income, total family income, land operated, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education. When specified for size of farm: -small ß=+.23 -medium ß=+.19 -large ß=+.03
	Beta=+.1	p<.01	ß controlled for:gross farm sales, percent farm income, total family income, land operated, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education. When specified for size of farm: -small ß=+.23 -medium ß=+.19 -large ß=+.03

Study MOLNA 1985

Page in Report: 150/156

Reported in: Molnar, J.J.
Determinants of subjective well-being among farm operators: characteristics of the
Rural Sociology, Vol 50, 1985, pp. 141-162

Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29,9%

N: 705

Measured Correlate

Class: Time spend to farming Code: F 4.2.3

Measurement: Single closed question: "What percentage of your total family income was from farming?"
Rated on a 5-point scale ranging from '0 to 19 percent' to ' 80 to 100 percent'.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-BW/cy/sq/l/9/a	r=+.08	p<.05	
	r=+.08	p<..05	
	Beta=+.1	p<.05	ß controlled for: gross farm sales, land operated, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education. When specified for size of farm: -small ß=+.08 -medium ß=+.16 -large ß=+.02
	Beta=+.1	p<.05	ß controlled for:gross farm sales, land operated, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education. When specified for size of farm: -small ß=+.08 -medium ß=+.16 -large ß=+.02

Study BRINK 1997C

Page in Report: 272

Reported in: Brinkerhoff, M & Fredell, K & Frideres, J
Basic minimum needs, Quality of life and selected correlates: explorations in villages
Social Indicators Research,42, p 245-281

Population: Adult, general public, two poor rural villages, Garhwal area, Northern India, 1996

Sample: Non-probability purposive-quota sample

Non-Response: 341

N: not rep

Measured Correlate

Class: Current characteristics of the farm Code: F 4.3

Measurement: not reprted

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-H?/?/sq/f/7/a	r=+.18	p<.001	
O-SLu/?/sq/l/5/a	r=+.21	p<.001	

Study BRINK 1997C

Page in Report: 270

Reported in: Brinkerhoff, M & Fredell, K & Frideres, J
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Social Indicators Research,42, p 245-281

Population: Adult, general public, two poor rural villages, Garhwal area, Northern India, 1996

Sample: Non-probability purposive-quota sample

Non-Response: 341

N: not rep

Measured Correlate

Class: Current characteristics of the farm Code: F 4.3

Measurement: not reported

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-H?/?/sq/f/7/a	r=+.20	p<.001	
O-SLu/?/sq/l/5/a	r=+.06	ns	

Study BRINK 1997C

Page in Report: 270

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Basic minimum needs, Quality of life and selected correlates: explorations in villages
Social Indicators Research,42, p 245-281

Population: Adult, general public, two poor rural villages, Garhwal area, Northern India, 1996

Sample: Non-probability purposive-quota sample

Non-Response: 341

N: not rep

Measured Correlate

Class: Current characteristics of the farm Code: F 4.3

Measurement: not reported

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-H?/?/sq/f/7/a	r=-.02	ns	
O-SLu/?/sq/l/5/a	r=-.10	ns	

Study JACOB 1997

Page in Report: 192

Reported in: Jacob, J. & Brinkerhoff, M.
Values, performance and subjective well-being in the sustainability movement; an
Social Indicators Research: , 1997, vol 42, pag 171-204

Population: 'Back to the land' mini farmers, USA,1989

Sample: Non-probability purposive sample (unspecified)

Non-Response: 58.2%

N: 565

Measured Correlate

Class: Current characteristics of the farm Code: F 4.3

Measurement:

PERFORMANCE scale is: Technological Self Reliance(TSR). Index calculated by multiplying tools or technology, possessed by a respondent by the efficiency rating claimed for the particular technology, resulting in the sum of the efficiency rating for each of the 25 tools.

The tools are: 1.garden, 2. greenhouse, 3.root cellar, 4.fish pond, 5. solar heat, 6.pigs, 7.wood lot, 8.wood stove heat, 9.wood stove cooking, 10.composting privy, 11.hydro-electric system, 12.graywater(waste water) 13.solar water heater, 14.chickens, 15.goats, 16.beef cattle, 17.milk cow(s) 18.sheep, 19.wind power, 20.weeder geese, 21.bees, 22.fruit trees, 23.butcher larger anaimals, 24.photo voltaic power, 45.work horses.

Efficiency is evaluated by asking the respondents about the effectiveness of the tool items of 'providing your family with independence or self-reliance from a one (not at all effective) to four(very effective point sequence.
The TSR index-scores have a theoretical range between 0-100

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
O-H?/?/sq/v/4/a	r=+.05	Ss, who value technical self reliance high, irrespectible of their performance (N=±280) -high Country Asceticism r=+.26 p<.005 -high Homestead Production r=+.27 p<.005 -high Ecological Sensitivity r=+.18 p<.005 Ss, who value Homestead Food Production high, irrespectable their performance, (N=±280) -high Country Asceticism r=+.32 p<.005

-high Homestead Production r=+.32 p<.005
-high Ecological Sensitivity r=+.22 p<.005

Study MOLLE 1988

Page in Report: 630

Reported in: Moller, V.
Quality of life in retirement: a case study of zulu return migrants
Social Indicators Research, Vol. 20, 1988, pp. 621-658

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:

N: 253

Measured Correlate

Class: Current characteristics of the farm Code: F 4.3

Measurement:
```
0: insecure
1: secure
```

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
O-HL/c/sq/v/5/a	r=+.33 p<.01	All
	Beta=+.1 ns	-65 years old ß controlled for: 1 Satisfied with health 2 Higher monthly income 3 Religious traditionalist 4 Grows cash crop 5 Retired for many years 6 Worked for many years in jobs 7 No desire to return to work 8 Achieved/confident of becoming wealthy
O-SLW/u/sq/v/5/d	r=+.26 p<.01	

Study MOLNA 1985

Page in Report: 156

Reported in: Molnar, J.J.
Determinants of subjective well-being among farm operators: characteristics of the
Rural Sociology, Vol 50, 1985, pp. 141-162

Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29,9%

N: 705

Measured Correlate

Class: Current characteristics of the farm Code: F 4.3

Measurement:

```
'Farm structure charisteristics':
- gross farm sales
- land operated
- percent farm income
- total family income
- off-farm workdays
- wife's work status
'Individual characteristics':
- growth plans
- commitment to farming
- economic constraints
- self-definition as a farm operator
- age
- education
```

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
O-BW/cy/sq/l/9/a	R^2=.21	When specified for size of farm: - small : R^2 = .19 - medium: R^2 = .30 - large : R^2 = .18
	R^2=.21	When specified for size of farm: - small : R^2 = .19 - medium: R^2 = .30 - large : R^2 = .18

Study BRINK 1986A

Page in Report: 164

Reported in: Brinkerhoff, M & Jacob, J
Quality of life in an alternative lifestyle. The smallholding movement.
Social Indicators Research 18, p 153-173

Population: Back to the land' mini-farmers, West USA and Canada,198?

Sample: Non-probability purposive sample (unspecified)

Non-Response: 510

N: 44 %

Measured Correlate

Class: Size of farm Code: F 4.3.1

Measurement: `self reported amount of acres of mini-farm`

Measured Values: range 0-1000
M=10.2

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
O-H?/?/sq/v/4/a	r=+.09 p<.05	

Study BRINK 1997C

Page in Report: 270

Reported in: Brinkerhoff, M & Fredell, K & Frideres, J
Basic minimum needs, Quality of life and selected correlates: explorations in villages
Social Indicators Research,42, p 245-281

Population: Adult, general public, two poor rural villages, Garhwal area, Northern India, 1996

Sample: Non-probability purposive-quota sample

Non-Response: 341

N: not rep

Measured Correlate

Class: Size of farm Code: F 4.3.1

Measurement: Livestock index summates the number of animals the family owns, e.g. oxen, water buffalo, chickens.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-H?/?/sq/f/7/a	r=+.03	ns	
O-SLu/?/sq/l/5/a	r=+.07	ns	

Study MOLNA 1985

Page in Report: 150,156

Reported in: Molnar, J.J.
Determinants of subjective well-being among farm operators: characteristics of the
Rural Sociology, Vol 50, 1985, pp. 141-162

Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29,9%

N: 705

Measured Correlate

Class: Size of farm Code: F 4.3.1

Measurement: Single direct question: 'What was the approximale gross value of farm sales from this place in 1980. Rated on a 7-point scale ranging from $ 2.500 to
$ 100.000 or more.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-BW/cy/sq/l/9/a	r=+.16	p<.05	
	r=+.16	p<..05	
	Beta=+.0	ns	ß controlled for: land operated, percent farm income, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education. When specified for size of farm: -small ß=+.04 -medium ß=-.09 -large ß=-.08
	Beta=+.0	ns	ß controlled for:land operated, percent farm income, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, economic constraints, self-definition, age, and education. When specified for size of farm: -small ß=+.04 -medium ß=-.09 -large ß=-.08

Study MOLNA 1985

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Rural Sociology, Vol 50, 1985, pp. 141-162

Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29,9%

N: 705

Measured Correlate

Class: Size of farm Code: F 4.3.1

Measurement: Sum of 'acress owned' and 'acres rented' minus acres rented out. Summarized in 7 categories ranging form 'less than 50 acres' ot '1000 or more'.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-BW/cy/sq/l/9/a	r=+.11	p<.05	
	r=+.11	p<..05	
	Beta=-.0	ns	Controlled for: gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, growth plans, commitment toto farming, economic constraints, self-definition, age, and education. When specified for size of farm: -small ß=-.02 -medium ß=-.12 -large ß=+.01
	Beta=-.0	ns	ß controlled for:gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, growth plans, commitment toto farming, economic constraints, self-definition, age, and education. When specified for size of farm: -small ß=-.02 -medium ß=-.12 -large ß=+.01

Study MOLLE 1988

Page in Report: 630

Reported in: Moller, V.
Quality of life in retirement: a case study of zulu return migrants
Social Indicators Research, Vol. 20, 1988, pp. 621-658

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:

N: 253

Measured Correlate

Class: Specialization of farm Code: F 4.3.2

Measurement:
```
0: no
1: yes
```

Measured Values:

Error Estimates:

Remarks: Landowners only
Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-HL/c/sq/v/5/a	r=-.41	p<.01	All
	Beta=-.1	p<.01	All ß controlled for: 1 Satisfied with health 2 Higher affluence rating 3 Need to purchase maize 4 Religious traditionalist 5 Has a confidant 6 Keeps goats 7 Higher monthly income 8 More active person 9 Worked for many years in jobs 10 Retired for many years 11 No desire to return to work 12 Agrees: Modern community leader

Landowners only
Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

	Beta=-.2 p<.01	65+ years old ß controlled for: 1 Seldom restricted by poor health 2 Higher affluence rating 3 Need to purchase maize 4 Religious traditionalist 5 More active person 6 Keeps chicken 7 Has a confident 8 Higher standard house 9 Keeps goats 10 Larger size field 11 Higher monthly income 12 No desire to return to work
	Beta=-.1 p<.05	-65 years ß controlled for: 1 Satisfied with health 2 Higher monthly income 3 Religious traditionalist 4 Feels land is secure 5 Retired for many years 6 Worked for many years in jobs 7 No desire to return to work 8 Achieved/confident of becoming wealthy
O-SLW/u/sq/v/5/d	r=+.26 p<.01	All
	Beta=+.1 p<.05	65+ years old ß controlled for: 1 Satisfied with health 2 Voluntary retirement 3 Need to purchase maize 4 Owns cattle 5 Keeps chicken 6 Satisfied with job while working 7 Feels relatively young 8 Retired suddenly 9 Agrees:planning is key to success

Study **MOLLE 1988** *Page in Report:* 630

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Quality of life in retirement: a case study of zulu return migrants
Social Indicators Research, Vol. 20, 1988, pp. 621-658

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:

N: 253

Measured Correlate

Class: Specialization of farm Code: F 4.3.2

Measurement:
```
'How many cattle do you own?'
0: none
1: other
```

Measured Values:

Error Estimates:

Remarks: Landowners only

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-HL/c/sq/v/5/a	r=+.09	ns	
O-SLW/u/sq/v/5/d	r=+.06	ns	`All` Landowners only

	Beta=+.1	p<.05	`65+ years old`
			`ß controlled for:`
			`1 Satisfied with health`
			`2 Grows cash crop`
			`3 Voluntary retirement`
			`4 Need to purchase maize`
			`5 Keeps chicken`
			`6 Satisfied with job while working`
			`7 Feels relatively young`
			`8 Retired suddenly`
			`9 Agrees:planning is key to success`

Study MOLLE 1988

Page in Report: 630

Reported in: Moller, V.
Quality of life in retirement: a case study of zulu return migrants
Social Indicators Research, Vol. 20, 1988, pp. 621-658

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:

N: 253

Measured Correlate

Class: Specialization of farm Code: F 4.3.2

Measurement:
```
0: self-supporting
1: need to buy (not self-supporting)

Peasants are typically self-supporting
in maize, whereas market oriented farmers buy it.
```

Measured Values:

Error Estimates:

Remarks: Landowners only
Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
O-HL/c/sq/v/5/a	r=-.43 p<.01	All
	Beta=-.1 p<.01	All ß controlled for: 1 Satisfied with health 2 Higher affluence rating 3 Grows cash crop 4 Religious traditionalist 5 Has a confidant 6 Keeps goats 7 Higher monthly income 8 More active person 9 Worked for many years in jobs 10 Retired for many years 11 No desire to return to work 12 Agrees: Modern community leader

Landowners only
Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

	Beta=-.1	p<.01	65+ years old ß controlled for: 1 Seldom restricted by poor health 2 Higher affluence rating 3 Grows cash crop 4 Religious traditionalist 5 More active person 6 Keeps chicken 7 Has a confident 8 Higher standard house 9 Keeps goats 10 Larger size field 11 Higher monthly income 12 No desire to return to work
O-SLW/u/sq/v/5/d	r=+.29	p<.01	All
	Beta=+.0	ns	65+ years old ß controlled for: 1 Satisfied with health 2 Grows cash crop 3 Voluntary retirement 4 Owns cattle 5 Keeps chicken 6 Satisfied with job while working 7 Feels relatively young 8 Retired suddenly 9 Agrees:planning is key to success

Study MOLLE 1988

Page in Report: 630

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Social Indicators Research, Vol. 20, 1988, pp. 621-658

Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:

N: 253

Measured Correlate

Class: Specialization of farm Code: F 4.3.2

Measurement:
```
'How many goats do you own?"
0: none
1: other
```

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
O-HL/c/sq/v/5/a	r=+.24 p<.01	All
	Beta=+.1 p<.01	All ß controlled for: 1 Satisfied with health 2 Higher affluence rating 3 Need to purchase maize 4 Grows cash crop 5 Religious traditionalist 6 Has a confidant 7 Higher monthly income 8 More active person 9 Worked for many years in jobs 10 Retired for many years 11 No desire to return to work 12 Agrees: Modern community leader

	Beta=+.1	p<.01	65+ years old ß controlled for: 1 Seldom restricted by poor health 2 Higher affluence rating 3 Need to purchase maize 4 Grows cash crop 5 Religious traditionalist 6 More active person 7 Keeps chicken 8 Has a confidant 9 Higher standard house 10 Larger size field 11 Higher monthly income 12 No desire to return to work
O-SLW/u/sq/v/5/d	r=+.00	ns	Landowners only Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

Study MOLLE 1988

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Population: Ex-migrant workers, returned to rural KwaZulu, South Africa, 1983

Sample:

Non-Response:

N: 253

Measured Correlate

Class: Specialization of farm Code: F 4.3.2

Measurement:
```
0: no
1: yes
```

Measured Values:

Error Estimates:

Remarks: Landowners only
Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-HL/c/sq/v/5/a	r=+.31	p<.01	All
	Beta=+.0	ns	65+ years old ß controlled for: 1 Seldom restricted by poor health 2 Higher affluence rating 3 Need to purchase maize 4 Grows cash crop 5 Religious traditionalist 6 More active person 7 Has a confidant 8 Higher standard house 9 Keeps goats 10 Larger size field 11 Higher monthly income 12 No desire to return to work
O-SLW/u/sq/v/5/d	r=+.20	p<.01	All

Landowners only
Direction of correlation unclear in original report. Sign in table is negative, but text indicates positive relationship. Present version approved by author.

Beta=+.2 p<.05

65+ years old
ß controlled for:
1 Satisfied with health
2 Grows cash crop
3 Voluntary retirement
4 Need to purchase maize
5 Owns cattle
6 Satisfied with job while working
7 Feels relatively young
8 Retired suddenly
9 Agrees:planning is key to success

Study JACOB 1997

Page in Report: 192

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Values, performance and subjective well-being in the sustainability movement; an
Social Indicators Research: , 1997, vol 42, pag 171-204

Population: 'Back to the land' mini farmers, USA,1989

Sample: Non-probability purposive sample (unspecified)

Non-Response: 58.2%

N: 565

Measured Correlate

Class: Economic success of farm Code: F 4.3.3

Measurement: Percentage of a family's food, that the respondents claimed was produced for their smallholding. The Homestaed Food Production index has a range between 0 and 100 per cent.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-H?/?/sq/v/4/a	r=+	p<.005	Ss, who value technical self reliance high, irrespectible of their performance (N=±280) -high Country Asceticism r=+.29 p<.005 -high Homestead Production r=+.33 p<.005 -high Ecological Sensitivity r=+.30 p<.005 Ss, who value Homestead Food Production high, irrespectable their performance, (N=±280) -high Country Asceticism r=+.25 p<.005 -high Homestead Production r=+.31 p<.005 -high Ecological Sensitivity r=+.29 p<.005

Study MOLNA 1985

Page in Report: 150/156

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Determinants of subjective well-being among farm operators: characteristics of the
Rural Sociology, Vol 50, 1985, pp. 141-162

Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29,9%

N: 705

Measured Correlate

Class: Economic success of farm Code: F 4.3.3

Measurement: `Single closed question: How do you see yourself? Rated on a 5-point scale: small farm operator / average farmer / progressive farmer / more-progressive-than-most farmer / innovator.`

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-BW/cy/sq/l/9/a	r=+.20	p<.05	
	r=+.20	p<..05	

Study MOLNA 1985

Page in Report: 150/156

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Determinants of subjective well-being among farm operators: characteristics of the
Rural Sociology, Vol 50, 1985, pp. 141-162

Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29,9%

N: 705

Measured Correlate

Class: Economic success of farm Code: F 4.3.3

Measurement:
```
6-item index. The respondents were asked to what extent they
thought each of the following would hinder or help the future
survival or growth of their farms, that is, their ability to
expand or just stay in business:
1. Interest rate.
2. Price of land.
3. Price of hired farm labor.
4. Availability of labor.
5. Cost of new technology ormachinery.
6. The price of fuel.
Rated on a 5-point scale ranging from 'hinder a lot' to 'help a
lot'.
```

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-BW/cy/sq/l/9/a	r=-.17	p<.05	
	r=-.17	p<..05	
	Beta=-.1	p<.05	ß controlled for:gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, land operated, self-definition, age, and education. When specified for size of farm: -small ß=-.13 -medium ß=-.18 -large ß=+.18

Beta=-.1 p<.05	ß controlled for:gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, growth plans, commitment to farming, land operated, self-definition, age, and education. When specified for size of farm: -small ß=-.13 -medium ß=-.18 -large ß=+.18

Study MOLNA 1985

Page in Report: 150,156

Reported in: Molnar, J.J.
Determinants of subjective well-being among farm operators: characteristics of the
Rural Sociology, Vol 50, 1985, pp. 141-162

Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29,9%

N: 705

Measured Correlate

Class: Economic success of farm Code: F 4.3.3

Measurement:
```
5-item index of closed questions. The respondents were asked
whether they planned to:
1 Buy or lease more land and expend the
  operations.
2 Expend the animal herd.
3 Get into a new animal enterprise.
4 Construct new buildings.
5 Facilities.
```

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-BW/cy/sq/l/9/a	r=+.04	ns	
	r=+.04	ns	
	Beta=-.0	ns	ß controlled for: gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, land operated, commitment to farming, economic constraints, self-definition, age, and education. When specified for size of farm: -small ß=-.03 -medium ß=-.03 -large ß=+.14

Beta=-.0 ns ß controlled for:gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, land operated, commitment to farming, economic constraints, self-definition, age, and education.
When specified for size of farm:
-small ß=-.03
-medium ß=-.03
-large ß=+.14

Study BRINK 1986A

Page in Report: 164

Reported in: Brinkerhoff, M & Jacob, J
Quality of life in an alternative lifestyle. The smallholding movement.
Social Indicators Research 18, p 153-173

Population: Back to the land' mini-farmers, West USA and Canada,198?

Sample: Non-probability purposive sample (unspecified)

Non-Response: 510

N: 44 %

Measured Correlate

Class: Attitudes to farming Code: F 4.4

Measurement: The respondents were presented with a list of 25 alternative technologies (gardens, windmills, greenhouses etc) and asked, whether they employed the particular practises.
They were then requested to note the effectiveness of the technologies they employed on a four point Likert-type scale from "not at all effective" to "very effective" in terms of 'providing your family with independence or self-reliance'

Measured Values: range: 0 - 100

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
O-H?/?/sq/v/4/a	r=+.24 p<.001	

Study BRINK 1997C

Page in Report: 272

Reported in: Brinkerhoff, M & Fredell, K & Frideres, J
Basic minimum needs, Quality of life and selected correlates: explorations in villages
Social Indicators Research,42, p 245-281

Population: Adult, general public, two poor rural villages, Garhwal area, Northern India, 1996

Sample: Non-probability purposive-quota sample

Non-Response: 341

N: not rep

Measured Correlate

Class: Attitudes to farming Code: F 4.4

Measurement: not reported

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-H?/?/sq/f/7/a	r=+.14	p<.05	
O-SLu/?/sq/l/5/a	r=+.17	p<.005	

Study MAKAR 1962

Page in Report: 112

Reported in: Makarczyk, W.
Factors affecting life satisfaction among people in Poland.
Polish Sociological Bulletin, 1962, vol. 1, p. 105-116.

Population: Adults, general public, students and peasants excluded, Poland, 1960

Sample:

Non-Response: 5%

N: 2387

Measured Correlate

Class: Concern about farming Code: F 4.4.1

Measurement: Single question:are you anxious about the future of your farm ? not anxious at all /rather not anxious / little anxious /very anxious.

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*		*Remarks*
O-SLW/u/sq/v/5/a	T=.16	p<.001	Computed for farm owners and family only.

Study MOLNA 1985

Page in Report: 150/156

Reported in: Molnar, J.J.
Determinants of subjective well-being among farm operators: characteristics of the
Rural Sociology, Vol 50, 1985, pp. 141-162

Population: Farm operators, Alabama, USA, 1981

Sample:

Non-Response: 29,9%

N: 705

Measured Correlate

Class: Concern about farming Code: F 4.4.1

Measurement:

```
3-item index. The respondents were asked how they felt about the
following statements:
1. If I had a son growing up at
   present, I would like to see him
   become a farmer.
2. Even if his income has dropped to a
   low point, a farmer should try to
   stick it out so his children can
   grow up on a farm.
3. Being my own boss is one of the
   major reasons I enjoy farming.

Rated on 5-point scales ranging from 'strongly disagree' to
'strongly agree'.
```

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
O-BW/cy/sq/l/9/a	r=+.26 p<.05	
	Beta=+.2 p<.05	ß controlled for:gross farm sales, percent farm income, total family income, off-farm work days, wife's work status, growth plans, land operated, economic constraints, self-definition, age, and education. When specified for size of farm: -small ß=+.23 -medium ß=+.26 -large ß=+.20

Study BRINK 1986A

Page in Report: 164

Reported in: Brinkerhoff, M & Jacob, J
Quality of life in an alternative lifestyle. The smallholding movement.
Social Indicators Research 18, p 153-173

Population: Back to the land' mini-farmers, West USA and Canada,198?

Sample: Non-probability purposive sample (unspecified)

Non-Response: 510

N: 44 %

Measured Correlate

Class: Self reliance Code: F 4.2.4

Measurement:

```
Respondents were asked to rate themselves or their spouses
from"very good" to "not at all good" on eight back-to-the-land
skills:
-carpentry
-plumbing
-car repairs
-electrical work
-gardening
-sewing
-spinning
-veterinary skills
```

Measured Values: ranges from 8-32

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
O-H?/?/sq/v/4/a	r=+.16 p<.001	

Study BRINK 1986B

Page in Report: table 4

Reported in: Brinkerhoff, M & Jacob, J
The role of religion on Quality of Life among participants in the Back-to -the-Land
Paper presented on World congress of Sociology, New Delhi, India, August 18-22 1986

Population: 'back to the land' mini farmers, West USA and Canada,1984

Sample: Non-probability purposive sample (unspecified)

Non-Response: 554

N: 33.8%

Measured Correlate

Class: Self reliance Code: F 4.2.4

Measurement: Respondents were presented with a list of 25 alternative technologies (gardens, windmills, greenhouses etc.)
They were asked, whether they employed the particular practises,and then requested to note the effectiveness of the technologies in terms of 'providing your family with independence or self-reliance'.

Measured Values: Range: 1-100

Error Estimates: Cronbach's alfa: .72

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
O-H?/?/sq/v/4/a	r=+.24 p<.001	

Study BRINK 1986B

Page in Report: table 4

Reported in: Brinkerhoff, M & Jacob, J
The role of religion on Quality of Life among participants in the Back-to -the-Land
Paper presented on World congress of Sociology, New Delhi, India, August 18-22 1986

Population: 'back to the land' mini farmers, West USA and Canada,1984

Sample: Non-probability purposive sample (unspecified)

Non-Response: 554

N: 33.8%

Measured Correlate

Class: Self reliance Code: F 4.2.4

Measurement:
```
Single question:
'What percentage of food your family eats do you estimate is
produced on your property?'
```

Measured Values:

Error Estimates:

Remarks:

Observed Relation with Happiness

Happiness Query	*Statistics*	*Remarks*
O-H?/?/sq/v/4/a	r=+.19 p<.001	

Appendix 1 Queries on Happiness used in reported Studies

Happiness Query Code *Full Text*

O-BW/cy/sq/l/9/a Selfreport on single question:

"Here is a picture of a ladder. At the bottom of the ladder is the worst life you might reasonably expect to have. At the top is the best life you might expect to have. Of course, life from week to week falls somewhere in between. Where was your life most of the time during the past year?"
[9] best life you might expect to have
[8]
[7]
[6]
[5]
[4]
[3]
[2]
[1] worst life you might expect to have

Name: Cantril's selfanchoring ladder rating (modified version)

O-H?/?/sq/f/7/a Selfreport on single question:

Lead item not reported
Rated on a 7-step pictorial faces scale, presented on a card
(pictures not shown here)
7 smiling face, very happy
6
5
4
3
2
1 frowing face, very unhappy

O-H?/?/sq/v/4/a Selfreport on single question:

Lead item not reported
Response options:
4 very happy
3 quite happy
2 not very happy
1 not at all happy

O-HL/c/sq/v/5/a Selfreport on single question:

"Taking all things together in your life, how would you say things are these days? Would you say you are ....?"
5 very happy
4 happy
3 neither happy nor unhappy
2 unhappy
1 very unhappy

O-SLu/?/sq/l/5/a Selfreport on single question:

"..... satisfaction with life ....."
(full lead item not reported)

Rated on a wooden miniature ladder, handed to the respondent
[5] very satisfied
[4]
[3]
[2]
[1] very dissatisfied

O-SLW/u/sq/v/5/a Selfreport on single question:

"On the whole, are you satisfied with your life.....?"
5 definitely yes
4 rather yes
3 don't know
2 rather no
1 definitely no
- no reply

O-SLW/u/sq/v/5/d Selfreport on single question:

"Taking your life as a whole, are you .....?"
5 very satisfied
4 quite satisfied
3 more satisfied than discontented
2 more discontented than satisfied
1 quite dissatisfied

In German:
"Wenn Sie Ihr Leben jetzt alles in allem betrachten, sind Sie.....?"
5 sehr zufrieden
4 ziemlich zufrieden
3 eher zufrieden
2 eher unzufrieden
1 ziemlich unzufrieden

On the web you will find an overview of valid queries on happiness and an explanation of the classification used. Go to: www.eur.nl/fsw/research/happiness/hap_quer/hqi_fp.htm. This is the introductary text to the Catalog of Happiness Queries.

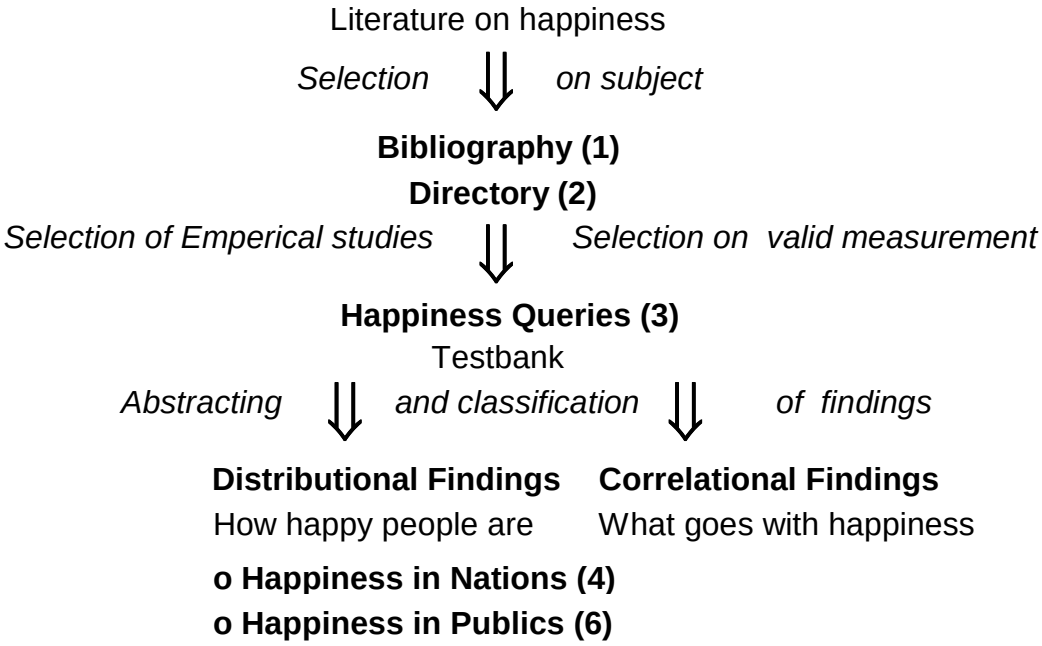
Appendix 2 Statistics used in reported studies

Symbol	*Explanation*
Beta	(ß) STANDARDIZED REGRESSION COEFFICIENT Type: test statistic. Measurement level: Correlates: all metric, Happinessl: metric. Range: [-1 ; +1] Meaning: beta > 0 « a higher correlate level corresponds with, on an average, higher happiness rating. beta < 0 « a higher correlate level corresponds with, on an average, lower happiness rating. beta = 0 « no correlation. beta = + 1 or -1 « perfect correlation.
r	PRODUCT-MOMENT CORRELATION COEFFICIENT (Also "Pearson's correlation coefficient' or simply 'correlation coefficient') Type: test statistic. Measurement level: Correlate: metric, Happiness: metric Range: [-1; +1] Meaning: r = 0 « no correlation , r = 1 « perfect correlation, where high correlate values correspond with high happiness values, and r = -1 « perfect correlation, where high correlate values correspond with low happiness values.
R^2	COEFFICIENT of DETERMINATION Type: test statistic Measurement level: Correlates: all metric, Happiness: metric Range: [0; 1] Meaning: $R^2 = 0$ « no influence of any correlate in this study has been established. $R^2 = 1$ « the correlates determine the happiness completely.
T	TSCHUPROW'S T Type: test statistic. Measurement level: Correlate: nominal, Happiness: ordinal Range: [0 ; SQRT[[min(r,c)-1]/[max(r,c) -1]]], c and r being the numbers of colums resp. rows in a cross tabulation. Meaning: T = 0 « no association T -> 1 « strongest possible association. NOTE: sometimes the square value is reported instead !

On the web you will find a text explaining the statistics used in more detail. Go to: www.eur.nl/fsw/research/happiness/hap_cor/cor_fp.htm. This is the introductory text to the Catalog of Correlational Findings. An overview of all statistics is in chapter 4.

Appendix 3: About the World Database of Happiness

The World Database of Happiness is an ongoing register of scientific research on subjective appreciation of life. It brings together findings that are scattered throughout many studies and provides a basis for synthetic analysis. The research literature is processed as follows:



1 BIBLIOGRAPHY OF HAPPINESS Presents all contemporary scientific publications. Detailed subject-classification. Current contents: 3422 titles, mainly in English.

2 DIRECTORY OF INVESTIGATORS Names and addresses of most authors on the subject. Enumerates years of publication. Current contents: 5818 names and 3073 addresses. Part of Bibliography.

3 CATALOG OF HAPPINESS QUERIES (testbank) Presents all indicators that tap happiness as defined here. Current content: 522 measures, mostly single questions. Queries are classified by focus, time reference, mode of observation, rating and wording.

4 CATALOG OF HAPPINESS IN NATIONS Presents distributional research findings, in particular responses to questions on happiness in national survey studies. Allows comparison across time and nations. Current content: 1889 surveys in 112 nations, 1946-2000.

5 CATALOG OF HAPPINESS IN PUBLICS Distributional findings on happiness in special publics within nations, such as aged people. Current contents: 705 studies. Part of Catalog of Correlational Findings.

6 CATALOG OF CORRELATIONAL FINDINGS Presents abstracts of correlational research findings. Detailed subject-classification. Allows comparison through time and across nations. Current contents: 7476 findings from 705 studies in 140 nations, 1911-2000.

Appendix 4 Further Findings in the World Database of Happiness

Main Category's	*Category Name*	*Number of Studies in this Category*
A 1	ACTIVITY LEVEL (how much one does)	53
A 2	ACTIVITY PATTERN (what one does)	7
A 3	AFFECTIVE LIFE	31
A 4	AGE	279
A 5	AGGRESSION	11
A 6	ANOMY	30
A 7	APPEARANCE (good looks)	8
A 8	ATTITUDES	4
A 9	AUTHORITARIANISM	4
B 3	BODY	66
C 1	CHILDREN 1:	4
C 10	CREATIVENESS	6
C 11	CULTURE (Arts and Sciences)	6
C 2	CHILDREN: WANT FOR (Parental aspirations)	6
C 3	CHILDREN: HAVING (parental status)	145
C 4	CHILDREN's CHARACTERISTICS	19
C 5	CHILDREN: RELATION WITH	8
C 6	CHILDREN: REARING (parental behavior)	11
C 7	COMMUNAL LIVING	1
C 8	CONCERNS	15
C 9	COPING	27
D 1	DAILY JOYS & HASSLES	4
E 1	EDUCATION	243
E 2	EMPLOYMENT	180
E 3	ETHNICITY	63
E 4	EXPRESSIVE BEHAVIOR	10
F 1	FAMILY OF ORIGIN (earlier family for adults, current for young)	195
F 2	FAMILY OF PROCREATION	42
F 3	FAMILY OF RELATIVES	145
F 4	FARMING	30
F 5	FREEDOM	24
F 6	FRIENDSHIP	123
G 1	GENDER	252
G 2	GRIEF	1
H 10	HOPE	3
H 11	HOUSEHOLD: COMPOSITION	90
H 12	HOUSEHOLD: WORK	10
H 13	HOUSING	75
H 2	HANDICAP	13

H 3	HAPPINESS: ATTITUDES	39
H 5	HAPPINESS CAREER	144
H 6	HAPPINESS: CURRENT LEVEL	260
H 8	HEALTH-BEHAVIOR	15
H 9	HELPING	4
I 1	INCOME	415
I 2	INSTITUTIONAL LIVING	28
I 3	INTELLIGENCE	63
I 4	INTERESTS	5
I 5	INTERVIEW	49
I 6	INTIMACY	70
L 1	LANGUAGE	1
L 10	LOCAL ENVIRONMENT	270
L 11	LOTTERY	7
L 12	LOVE-LIFE	26
L 2	LEADERSHIP	8
L 3	LEISURE	128
L 4	LIFE APPRAISALS: OTHER THAN HAPPINESS4	290
L 5	LIFE-CHANGE	26
L 6	LIFE-EVENTS	63
L 7	LIFE-GOALS	52
L 8	LIFE HISTORY	1
L 9	LIFE STYLE	4
M 1	MARRIAGE: MARITAL STATUS CAREER	32
M 10	MIGRATION: MIGRANT WORK	3
M 11	MILITARY LIFE	5
M 12	MODERNITY	5
M 13	MOOD	181
M 2	MARRIAGE: CURRENT MARITAL STATUS	315
M 3	MARRIAGE: RELATIONSHIP	99
M 4	MARRIAGE: PARTNER	34
M 5	MEANING	18
M 6	MEDICAL TREATMENT	49
M 7	MENTAL HEALTH	99
M 8	MIGRATION: OTHER COUNTRY	9
M 9	MIGRATION: MOVING WITHIN COUNTRY (residential mobility)	17
N 1	NATIONALITY	5
N 2	NATION: TIME & PLACE	20
N 3	NATIONAL CHARACTER (modal personality)	2
N 4	NATION'S CONDITION	52
N 6	ATTITUDES TO THE NATION	111
N 7	LIVABILITY OF THE NATION	5
N 8	NUTRITION	18
O 1	OCCUPATION	133

O 2	ORGAN TRANSPLANTATION	11
P 1	PERSONALITY: HISTORY	44
P 10	POSSESSIONS	26
P 12	PROBLEMS	20
P 13	PSYCHO-SOMATIC COMPLAINTS	53
P 2	PERSONALITY: CHANGE	7
P 3	PERSONALITY: CURRENT ORGANIZATION	7
P 4	PERSONALITY: CURRENT TRAITS	392
P 5	PERSONALITY: LATER	23
P 6	PHYSICAL HEALTH	286
P 7	PLANNING	7
P 8	POLITICS	197
P 9	POPULARITY	22
R 1	RELIGION	198
R 2	RESOURCES	8
R 3	RETIREMENT	46
R 4	ROLES	13
S 1	SCHOOL	92
S 10	SOCIAL SUPPORT: RECEIVED	26
S 11	SOCIAL SUPPORT: Provided	3
S 12	SPORTS	32
S 13	STIMULANTS	33
S 14	SUICIDE	4
S 15	SUMMED EFFECTS ON HAPPINESS	71
S 2	SELF-IMAGE	193
S 3	SEX-LIFE	54
S 4	SLEEP	10
S 5	SOCIAL MOBILITY	16
S 6	SOCIAL PARTICIPATION: PERSONAL CONTACTS	50
S 7	SOCIAL PARTICIPATION: VOLUNTARY ASSOCIATIONS	111
S 8	SOCIAL PARTICIPATION: TOTAL (personal + associations)	25
S 9	SOCIAL STATUS (Socio-Economic Status)	140
T 1	TIME	27
T 2	THERAPY	9
T 3	TOLERANCE	37
V 1	VALUE CAREER	8
V 2	VALUES: CURRENT PREFERENCES (own)	49
V 3	VALUES: CLIMATE (current values in environment)	4
V 4	VALUES: SIMILARITY (current fit with others)	5
V 5	VICTIM	11
W 1	WAR	5
W 2	WORK CAREER	1
W 3	WORK CONDITIONS	34
W 4	WORK-ATTITUDES	313

W 5	WORK-PERFORMANCE (current)	6
W 6	WORRIES	27
X	UNCLASSIFIED	22

Appendix 5 Related Topics

This Topic		***Related Topics***	
Classification Page 1		*In Subject List on Appendix 4*	
F 4	FARMING		
F 4.1	Farming career		
F 4.2	Current involvement in farming	L 10.2.1.2	. rural vs urban dwelling
F 4.2.1	Being a farmer	O 1.2.2	Kind of occupation (profession)
F 4.2.2	Being wife of a farmer	M 4.2.3.4	. occupation of spouse
F 4.2.3	Time spend to farming	T 1.4	Current time-usage
F 4.2.4	Self reliance		
F 4.3	Current characteristics of the farm	P 10	POSSESSIONS
F 4.3.1	Size of farm		
F 4.3.2	Specialization of farm		
F 4.3.3	Economic success of farm	O 1.1.3.1	. advancement in current job
F 4.4	Attitudes to farming	W 4	WORK-ATTITUDES
F 4.4.1	Concern about farming	S 2.3	Current self-ideal
		L 7.2.2	Object of life-goals
F 4.4.2	Satisfaction with farming		

End of Report